

# USCMS Engineer Status Report for December 2003

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## 1 Work Performed This Month

(I took vacations from December 26-31).

1. I attended the ACAT03 workshop from December 1-5 in Japan and gave two presentations (one on the configuration monitoring, another on the DAR for Natalia). I also chaired a session during the workshop.
2. I partially attended the LCG User Registration/VO Management/Authorization workshop held at CERN through VRVS from Dec. 15-17.
3. I spent some time to learn McRunJob and wrote a document on McRunJob Context Services with the database schema.
4. Some time was spent to teach Tanya how to use VOMS ACL, and integrate the JAVA Connector that connects between the VOMSRS and EDG VOMS. I developed the module in November using web services.
5. Helped Gerald Guglielmo with the Alien VO Server installation. It seems there is still some problem on this due to lack of document.
6. The new version of VOMS which supports AC(RFC 8231 Attribute Certificate) has been compiled and installed. It is not usable now due to the VOMS Admin is not available yet.
7. Spent some time to learn the web services.

## 2 Status of Deliverables

1.VO project:

(1). The new version of VOMS is installed. But the VOMS admin was delayed due to the late release and holidays. I plan to finish it this month.  
(2). Adil Hansen will be at Fermilab and we plan to spend some time together working on utilize VOMS for SRB.

2. Configuration Monitoring (1). I will document the work on configuration monitoring and put up a web page. (2). Begin to add more features on the configuration monitoring to do resource reservation.

3. McRunJob Context Service The require document with the database schema has been done. I plan to do the implementation once I get the feedback from Greg.

### **3 Plans For Next Month**

1. VO project

(1). I plan to finish the new version of VOMS and VOMS admin. The admin part has been delayed due to the late release of VOMS Admin. (2). I will spend some time to work with Adil Hansen on using VOMS in SRB; (3). Try to solve the problem on Alien VO server installation;

2. Monitoring work (1). I will finish setting up a configuration monitoring web page; (2). I will talk with Iosif on VO resource reservation, scheduling using Configuration monitoring tool, MonaLisa, VO tools. (3). Shaowen Wang at University of Iowa mentioned to me about the GROW project and their monitoring effort using GT3. He mentioned he has some graduate student working with him and it is possible to collaborate with me on some monitoring work. I think it will be good to bring additional manpower without paying them. I will discuss further with them when Shaowen comes to Fermilab sometime this month.

3. McRunJob Context Services The draft design document has been done. I plan to do the implementation once I get the feedback from Greg. My estimate is about a couple of weeks to finish the setup and coding.

### **4 Longer Term Plans**

I need discuss with the management.

## 5 Resources Needed

None.

## 6 Links To Supporting Documentation

- 1. Configuration monitoring web page:
  - <http://computing.fnal.gov/cms/Monitor/configuration/index.html>
  -
- 2. McRunJob Context Service document:
  - [http://home.fnal.gov/~yujun/mc\\_runjob/ContextService\\_2.doc](http://home.fnal.gov/~yujun/mc_runjob/ContextService_2.doc)